

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/328,673DATE: 03/16/95
TIME: 18:22:59

INPUT SET: S2778.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Gregory, Richard J.
6 Wills, Ken N.
7 Maneval, Daniel C.
8
9 (ii) TITLE OF INVENTION: Recombinant Adenoviral Vector and
10 Methods of Use
11
12 (iii) NUMBER OF SEQUENCES: 9
13
14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: Campbell and Flores
16 (B) STREET: 4370 La Jolla Village Drive, Suite 700
17 (C) CITY: San Diego
18 (D) STATE: California
19 (E) COUNTRY: USA
20 (F) ZIP: 92122
21
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
27
28 (vi) CURRENT APPLICATION DATA:
29 (A) APPLICATION NUMBER: US 08/328,673
30 (B) FILING DATE: 25-OCT-1994
31 (C) CLASSIFICATION:
32
33 (vii) PRIOR APPLICATION DATA:
34 (A) APPLICATION NUMBER: US 08/233,777
35 (B) FILING DATE: 19-MAY-1994
36
37 (vii) PRIOR APPLICATION DATA:
38 (A) APPLICATION NUMBER: US 08/142,669
39 (B) FILING DATE: 25-OCT-1993
40
41 (viii) ATTORNEY/AGENT INFORMATION:
42 (A) NAME: Campbell, Cathryn A.
43 (B) REGISTRATION NUMBER: 31,815
44 (C) REFERENCE/DOCKET NUMBER: P-CJ 1192
45
46 (ix) TELECOMMUNICATION INFORMATION:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/328,673DATE: 03/16/95
TIME: 18:23:04

INPUT SET: S2778.raw

47 (A) TELEPHONE: (619) 535-9001
48 (B) TELEFAX: (619) 535-8949
49
50

51 (2) INFORMATION FOR SEQ ID NO:1:
52

53 (i) SEQUENCE CHARACTERISTICS:
54 (A) LENGTH: 25 base pairs
55 (B) TYPE: nucleic acid
56 (C) STRANDEDNESS: single
57 (D) TOPOLOGY: linear
58
59
60

61 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
6263 CGCCACCGAG GGACCTGAGC GAGTC
64

25

65 (2) INFORMATION FOR SEQ ID NO:2:
66

67 (i) SEQUENCE CHARACTERISTICS:
68 (A) LENGTH: 20 base pairs
69 (B) TYPE: nucleic acid
70 (C) STRANDEDNESS: single
71 (D) TOPOLOGY: linear
72
73
74

75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
7677 TTCTGGGAAG GGACAGAAGA
78

20

79 (2) INFORMATION FOR SEQ ID NO:3:
80

81 (i) SEQUENCE CHARACTERISTICS:
82 (A) LENGTH: 25 base pairs
83 (B) TYPE: nucleic acid
84 (C) STRANDEDNESS: single
85 (D) TOPOLOGY: linear
86
87
88

89 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
9091 CGCGCTAGCT CTGCCCCAAA GAGCT
92

25

93 (2) INFORMATION FOR SEQ ID NO:4:
94

95 (i) SEQUENCE CHARACTERISTICS:
96 (A) LENGTH: 39 base pairs
97 (B) TYPE: nucleic acid
98 (C) STRANDEDNESS: single
99 (D) TOPOLOGY: linear

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100
101
102
103 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
104
105 CGCGGTACCC TCGAGTCTAG ATATTGCCAG TGGTGGAAAG 39
106
107 (2) INFORMATION FOR SEQ ID NO:5:
108
109 (i) SEQUENCE CHARACTERISTICS:
110 (A) LENGTH: 35 base pairs
111 (B) TYPE: nucleic acid
112 (C) STRANDEDNESS: single
113 (D) TOPOLOGY: linear
114
115
116
117 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
118
119 CGTGCGGCCG CTGGAGGACT TTGAGGATGT CTGTC 35
120
121 (2) INFORMATION FOR SEQ ID NO:6:
122
123 (i) SEQUENCE CHARACTERISTICS:
124 (A) LENGTH: 33 base pairs
125 (B) TYPE: nucleic acid
126 (C) STRANDEDNESS: single
127 (D) TOPOLOGY: linear
128
129
130
131 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
132
133 CGCTCTAGAG AGACCAGTTA GGAAGTTTTTC GCA 33
134
135 (2) INFORMATION FOR SEQ ID NO:7:
136
137 (i) SEQUENCE CHARACTERISTICS:
138 (A) LENGTH: 2995 base pairs
139 (B) TYPE: nucleic acid
140 (C) STRANDEDNESS: single
141 (D) TOPOLOGY: linear
142
143
144 (ix) FEATURE:
145 (A) NAME/KEY: CDS
146 (B) LOCATION: 139..2922
147
148
149 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
150
151 TTCCGGTTTT TCTCAGGGGA CGTTGAAATT ATTTTGTAA CGGGAGTCGG GAGAGGACGG 60
152

RAW SEQUENCE LISTING PATENT APPLICATION US/08/328,673

 DATE: 03/16/95
 TIME: 18:23:15

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153	GGCGTGCCCC GCGTGCGCGC GCGTCGTCCT CCCCggcgct CCTCCACAGC TCGCTGGCTC	120
154		
155	CCGCCGCGGA AAGGCGTC ATG CCG CCC AAA ACC CCC CGA AAA ACG GCC GCC	171
156	Met Pro Pro Lys Thr Pro Arg Lys Thr Ala Ala	
157	1 5 10	
158		
159	ACC GCC GCC GCT GCC GCC GCG GAA CCC CCG GCA CCG CCG CCG CCG CCC	219
160	Thr Ala Ala Ala Ala Ala Ala Glu Pro Pro Ala Pro Pro Pro Pro Pro	
161	15 20 25	
162		
163	CCT CCT GAG GAG GAC CCA GAG CAG GAC AGC GGC CCG GAG GAC CTG CCT	267
164	Pro Pro Glu Glu Asp Pro Glu Gln Asp Ser Gly Pro Glu Asp Leu Pro	
165	30 35 40	
166		
167	CTC GTC AGG CTT GAG TTT GAA GAA ACA GAA GAA CCT GAT TTT ACT GCA	315
168	Leu Val Arg Leu Glu Phe Glu Glu Thr Glu Glu Pro Asp Phe Thr Ala	
169	45 50 55	
170		
171	TTA TGT CAG AAA TTA AAG ATA CCA GAT CAT GTC AGA GAG AGA GCT TGG	363
172	Leu Cys Gln Lys Leu Lys Ile Pro Asp His Val Arg Glu Arg Ala Trp	
173	60 65 70 75	
174		
175	TTA ACT TGG GAG AAA GTT TCA TCT GTG GAT GGA GTA TTG GGA GGT TAT	411
176	Leu Thr Trp Glu Lys Val Ser Ser Val Asp Gly Val Leu Gly Gly Tyr	
177	80 85 90	
178		
179	ATT CAA AAG AAA AAG GAA CTG TGG GGA ATC TGT ATC TTT ATT GCA GCA	459
180	Ile Gln Lys Lys Lys Glu Leu Trp Gly Ile Cys Ile Phe Ile Ala Ala	
181	95 100 105	
182		
183	GTT GAC CTA GAT GAG ATG TCG TTC ACT TTT ACT GAG CTA CAG AAA AAC	507
184	Val Asp Leu Asp Glu Met Ser Phe Thr Phe Thr Glu Leu Gln Lys Asn	
185	110 115 120	
186		
187	ATA GAA ATC AGT GTC CAT AAA TTC TTT AAC TTA CTA AAA GAA ATT GAT	555
188	Ile Glu Ile Ser Val His Lys Phe Phe Asn Leu Leu Lys Glu Ile Asp	
189	125 130 135	
190		
191	ACC AGT ACC AAA GTT GAT AAT GCT ATG TCA AGA CTG TTG AAG AAG TAT	603
192	Thr Ser Thr Lys Val Asp Asn Ala Met Ser Arg Leu Leu Lys Lys Tyr	
193	140 145 150 155	
194		
195	GAT GTA TTG TTT GCA CTC TTC AGC AAA TTG GAA AGG ACA TGT GAA CTT	651
196	Asp Val Leu Phe Ala Leu Phe Ser Lys Leu Glu Arg Thr Cys Glu Leu	
197	160 165 170	
198		
199	ATA TAT TTG ACA CAA CCC AGC AGT TCG ATA TCT ACT GAA ATA AAT TCT	699
200	Ile Tyr Leu Thr Gln Pro Ser Ser Ser Ile Ser Thr Glu Ile Asn Ser	
201	175 180 185	
202		
203	GCA TTG GTG CTA AAA GTT TCT TGG ATC ACA TTT TTA TTA GCT AAA GGG	747
204	Ala Leu Val Leu Lys Val Ser Trp Ile Thr Phe Leu Leu Ala Lys Gly	
205	190 195 200	

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206																	
207	GAA	GTA	TTA	CAA	ATG	GAA	GAT	GAT	CTG	GTG	ATT	TCA	TTT	CAG	TTA	ATG	795
208	Glu	Val	Leu	Gln	Met	Glu	Asp	Asp	Leu	Val	Ile	Ser	Phe	Gln	Leu	Met	
209		205					210					215					
210																	
211	CTA	TGT	GTC	CTT	GAC	TAT	TTT	ATT	AAA	CTC	TCA	CCT	CCC	ATG	TTG	CTC	843
212	Leu	Cys	Val	Leu	Asp	Tyr	Phe	Ile	Lys	Leu	Ser	Pro	Pro	Met	Leu	Leu	
213	220					225					230					235	
214																	
215	AAA	GAA	CCA	TAT	AAA	ACA	GCT	GTT	ATA	CCC	ATT	AAT	GGT	TCA	CCT	CGA	891
216	Lys	Glu	Pro	Tyr	Lys	Thr	Ala	Val	Ile	Pro	Ile	Asn	Gly	Ser	Pro	Arg	
217					240					245					250		
218																	
219	ACA	CCC	AGG	CGA	GGT	CAG	AAC	AGG	AGT	GCA	CGG	ATA	GCA	AAA	CAA	CTA	939
220	Thr	Pro	Arg	Arg	Gly	Gln	Asn	Arg	Ser	Ala	Arg	Ile	Ala	Lys	Gln	Leu	
221				255					260					265			
222																	
223	GAA	AAT	GAT	ACA	AGA	ATT	ATT	GAA	GTT	CTC	TGT	AAA	GAA	CAT	GAA	TGT	987
224	Glu	Asn	Asp	Thr	Arg	Ile	Ile	Glu	Val	Leu	Cys	Lys	Glu	His	Glu	Cys	
225			270					275					280				
226																	
227	AAT	ATA	GAT	GAG	GTG	AAA	AAT	GTT	TAT	TTC	AAA	AAT	TTT	ATA	CCT	TTT	1035
228	Asn	Ile	Asp	Glu	Val	Lys	Asn	Val	Tyr	Phe	Lys	Asn	Phe	Ile	Pro	Phe	
229		285					290					295					
230																	
231	ATG	AAT	TCT	CTT	GGA	CTT	GTA	ACA	TCT	AAT	GGA	CTT	CCA	GAG	GTT	GAA	1083
232	Met	Asn	Ser	Leu	Gly	Leu	Val	Thr	Ser	Asn	Gly	Leu	Pro	Glu	Val	Glu	
233	300					305					310					315	
234																	
235	AAT	CTT	TCT	AAA	CGA	TAC	GAA	GAA	ATT	TAT	CTT	AAA	AAT	AAA	GAT	CTA	1131
236	Asn	Leu	Ser	Lys	Arg	Tyr	Glu	Glu	Ile	Tyr	Leu	Lys	Asn	Lys	Asp	Leu	
237					320					325					330		
238																	
239	GAT	GCA	AGA	TTA	TTT	TTG	GAT	CAT	GAT	AAA	ACT	CTT	CAG	ACT	GAT	TCT	1179
240	Asp	Ala	Arg	Leu	Phe	Leu	Asp	His	Asp	Lys	Thr	Leu	Gln	Thr	Asp	Ser	
241				335					340					345			
242																	
243	ATA	GAC	AGT	TTT	GAA	ACA	CAG	AGA	ACA	CCA	CGA	AAA	AGT	AAC	CTT	GAT	1227
244	Ile	Asp	Ser	Phe	Glu	Thr	Gln	Arg	Thr	Pro	Arg	Lys	Ser	Asn	Leu	Asp	
245			350					355					360				